

### **Claim Amendments**

1. (Currently amended) A titration method, comprising:

supplying a sample to a confluence point in a titration system;

supplying a titrant through a variable pump to the confluence point to mix with said sample to produce a mixed stream;

~~controlling~~ supplying a control voltage having a waveform which includes an increasing slope and a decreasing slope to control the rate of flow gradient of said titrant by varying the delivery rate of said pump to increase or decrease the rate of flow of said titrant;

detecting ~~a change~~ changes in a property of said mixed stream during at least one increasing rate of flow and at least one decreasing rate of flow; and

changing said control voltage to reverse the rate of flow gradient of said titrant by changing the control voltage from said increasing slope waveform to said decreasing slope waveform, or from said decreasing slope waveform to said increasing slope waveform, and thereby varying said pump to increase or decrease the rate of flow of said titrant, upon said each detection of a change in said mixed stream for determining titration equivalence flow from measured flow rates at said changes in said mixed stream.

2 - 15. (Cancelled)